

**ABSTRACT OF THE DISCLOSURE**

A method is provided for charging a plurality of batteries. A plurality of batteries may be charged using charging voltage/current characteristics. Charging operations among the multiple batteries may be repeatedly performed. A first battery may be charged with a constant current until a voltage of the first battery becomes more than a reference voltage. Additionally, after charging of a second battery with the constant current is started, charging of a second battery may occur until a voltage of the second battery becomes more than a reference voltage. Charging of the first battery may be resumed if a charging current is not more than a reference current. Additionally, charging of the second battery may be resumed if the charging current is not more than the reference current. After charging of the first battery is resumed, and if the charging current is not more than a limit current indicating a state of full charging, then charging of the first battery is stopped. Additionally, after charging of the second battery is resumed, and if the charging current is not more than the limit current indicating the state of full charging, then charging of the second battery is stopped.